

Peculiarities of NMR relaxation in micellar gels of Pluronic F-127

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Abstract

© 2018, © 2018 Taylor & Francis. Based on the ^1H relaxation of transverse nuclear magnetization of triblock-copolymer Pluronic F-127 in D_2O , we proposed a model of the associated pluronic structure in which the polyethylene oxide of molecules in neighboring micelles are intertwined in regions of overlapping micellar coronas, while the polypropylene oxide cores of the micelles play a role of nodes in the 3D network.

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Keywords

Blockcopolymer, NMR relaxation, phase diagram, Poloxamer

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